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CoPilot Overview

Welcome to CoPilot Live! CoPilot will provide you with accurate, turn-by-turn spoken directions and street-level maps that guide you to any destination you specify. If you take a wrong turn, CoPilot instantly re-calculates your route. Let CoPilot guide you — and never get lost again!

CoPilot comes fully installed and ready to use for route guidance on your mobile device. However, you will want to install CoPilot to your desktop if 1) you'd like to use the extensive trip planning features available with a desktop installation, or 2) you're adding a data region or more maps. See *Installing CoPilot to Your Desktop*, p. 36 for details.

In-vehicle Hardware Setup:

CoPilot uses GPS satellites to calculate your exact position on the map. In order to "acquire" a GPS fix you must first make sure your A780 has an unobstructed line of sight to the sky. Please note it may take up to 5 minutes to acquire a fix initially. **WARNING**: Never leave your mobile device in a closed vehicle that exceeds 140° F.

First turn on your mobile device. Before using CoPilot, ensure that your phone's antenna is turned "On".

After turning your engine on, attach the cable to the mobile device and insert it into your vehicle's cigarette lighter socket. Make sure it is firmly seated.

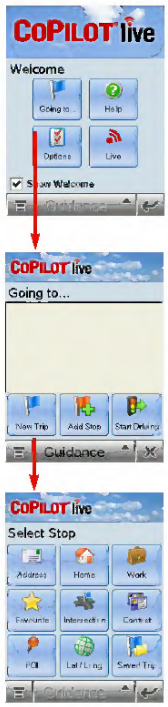
A Safety Warning

Always keep your hands on the steering wheel and eyes on the road when driving!
Do not use this product in any way that interferes with safe and attentive operation of a vehicle. When used in a vehicle, do not place your mobile device or power supply where it may strike the driver or passengers if the vehicle turns sharply or stops abruptly. This product is designed, manufactured, and intended as an aid to planning and navigating routes.
The accuracy of the map data, driving directions, and GPS tracking system is insufficient for this product to be used for automated navigation or in any situation in which the failure of the product could lead directly to death, personal injury, or physical or environmental damage. The driver must remain alert at all times to actual road conditions and obey all posted signs and traffic regulations. ALK Technologies assumes no responsibility for any damage or injury resulting from the use of this product.

Using Your Mobile Device for Guidance

CoPilot Live is pre-installed and ready to use for route guidance on your mobile device. In CoPilot's Guidance Mode you will receive turn-by-turn route navigation information and spoken directions as you travel.

For IN-VEHICLE HARDWARE SETUP: See *CoPilot Overview*, p.1.



1. To launch CoPilot, tap the application launcher, then tap the **CoPilot** application.

2. The *Welcome* screen gives you several choices:
   - **Going To** to enter a destination and receive guidance
   - **Help** topics about basics such as trip entry, hardware setup, and route options
   - **Options** to change CoPilot routing, guidance, and map options
   - **Live Setup** for live communications

3. Tap **Going To**. The *Going To* screen will list your stops. From here you can add a stop, start a new trip (deleting the old one), or tap **Start Driving** to begin receiving guidance to your destination(s).

4. Tap **Add Stop** to enter one or more destinations in the *Select Stop* screen and begin driving.

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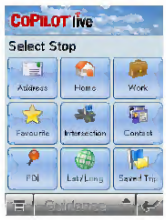

5. The *Select Stop* screen provides you with several different ways to enter a destination. You can:

- Enter a new **Address**
- Program or enter your **Home** address
- Program or enter your **Work** address
- Select from your **Favourite** list
- Search for a **Point of Interest (POI)**
- Enter an **Intersection**
- Enter a **Contact** from your contacts list
- Enter a **Latitude/Longitude** point
- Enter a previously **Saved Trip**

Options are described on the following pages.

Address Entry

NOTE: There is no need to enter a starting point. CoPilot uses GPS positioning to determine your location automatically.

Address entry is a step-by-step process in which you enter the country or postal code, city, and house number/street name in separate screens. As you type each entry, matches in the database appear on a pick list below. Tapping an item on the list enters it, then you tap **Next** to confirm and move to the next screen.

In the *Select Stop* screen, tap the **Address** button.

1. Using the keyboard, enter a postal code and tap **Next**, or type the name of a country — as you type, the scroll list will move to that country. Tap it on the list, then tap **Next**.
NOTE: United Kingdom postal codes are entered in the City screen (Step 2). The country entry screen won't appear if map data for only one country is downloaded.

2. *(If you entered a postal code, skip to step 3.)* Start typing a **City** name. When a match appears on the list below, tap it and then tap **Next** to continue.

3. Enter a house number if desired (it's optional), then start typing a **Street name**. When a match appears on the list below, tap it, then tap **Next**

4. If an exact database match is not found, you'll be shown the available address options. CoPilot will give you at least one of these options: the **General Street** you entered, a **Nearby Address**, a **Cross Street** on the street you entered, or one of several **Streets in Nearby Cities**. Tap your choice, then tap **Next**.

5. *(Optional)* Type a name for this place the list enters it, then you tap Next to confirm and move to the next screen. If you like, then tap **Finish**.

6. After entering a destination, you will be taken to the *Going To* screen. You will see the destination you just entered listed as the first stop on your trip.

At this point you can tap **Add Stop** to enter additional stops, **New Trip** to delete all stops on this trip and begin a new one, or **Start Driving** to begin receiving guidance to the destination(s) you entered.

7. To begin your trip, simply tap the **Start Driving** button and start driving! Once your position has been determined (this can take a few seconds), CoPilot will speak directions out loud to you, and your position and next turn information will be displayed on the screen as you drive.

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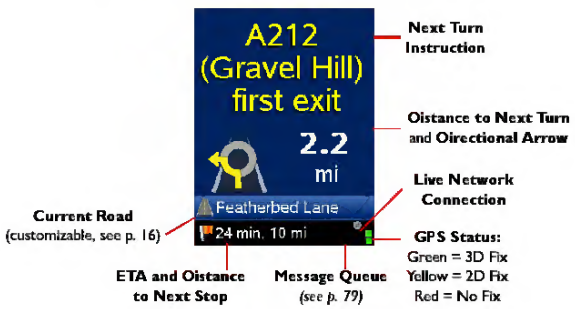
Start Driving!

After entering one or more destinations, start driving and enjoy CoPilot's spoken instructions, continuously updated maps and ETA's, and automatic route recalculation capabilities.

The **Driver Safety Screen** displays a text-only screen and is the recommended view for safe driving. When you're within about 1 kilometre of a turn or driving less than 16 k.p.h., CoPilot automatically switches to the map display.

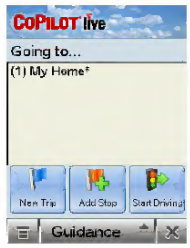


To return to the Going To screen to edit your trip at any time, first tap at the **TOP** of the guidance screen to bring up the toolbar. Then tap the **Going To** button.

Entering a Home Address

In the *Select Stop* screen, tap the **Home** button in the *Select Stop* screen. The first time you use this button, you will be prompted to enter your home address.

Enter your home address the same way you enter a new address (described on p. 3-4).

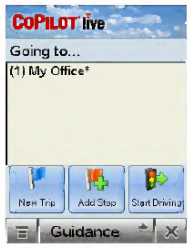


The next time you tap **Home**, your work address will be entered as a destination. To change your home address, choose **Menu > Options** and tap **Favourites** (see p. 7).

Entering a Work Address

In the *Select Stop* screen, tap the **Work** button in the *Select Stop* screen. The first time you use this button, you will be prompted to enter your work address.

Enter your work address the same way you enter a new address (described on p. 3-4).



The next time you tap **Work**, your work address will be entered as a destination. To change your work address, choose **Menu > Options** and tap **Favourites** (see p. 7).

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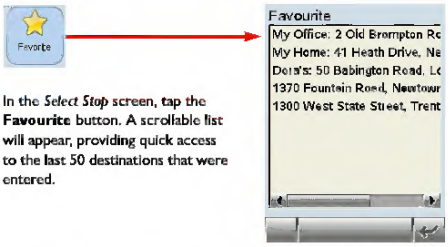
Favourites


Favorite
Favourite
My Office: 2 Old Brompton Rc
My Home: 41 Heath Drive, Ne
Doris's: 50 Babington Road, Lc
1370 Fountain Road, Newtown
1300 West State Street, Trent

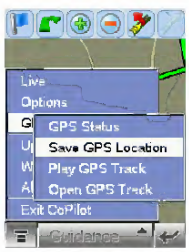
In the *Select Stop* screen, tap the **Favourite** button. A scrollable list will appear, providing quick access to the last 50 destinations that were entered.

Tap a Favourite on the list to enter it as a destination. To change which Favourite is assigned to the **Home** or **Work** buttons, choose **Menu > Options** and tap **Favourites** (see *Menu Options*, p. 23).

NOTE: When your Favourites list is filled (50), each new address will replace the address that has been inactive for the longest period of time.

To Save Your Current Location As a Favourite:

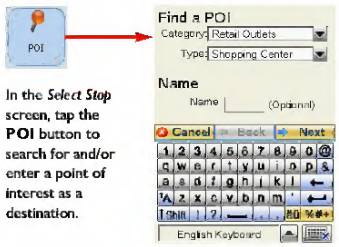
You must have a GPS fix to save your current location as a favourite.



1. Tap **Menu > GPS**, then select **Save GPS Location**.

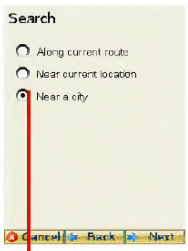
2. A prompt will ask you to assign a location name to your current location. After you enter a name, your current location will be saved in the Favourites list.

Finding Points of Interest



In the *Select Stop* screen, tap the **POI** button to search for and/or enter a point of interest as a destination.

1. In the first POI screen you have the option to choose a **Category** and **Type** of POI from the drop-down pick lists. To narrow your search and cut down on the time it takes, you can also type the first few letters of a place you have in mind. Tap **Next** to continue.



2. In the next screen, you can tell CoPilot to search **Near current location** or **Along current route** if a GPS fix is present.

Or choose **Near a city**, then enter a country and city or postal code in the next two screens. (European postal codes are entered in the country entry screen, except United Kingdom codes which are entered in the city entry screen.)

Tap **Next** to execute the search.

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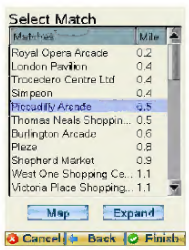
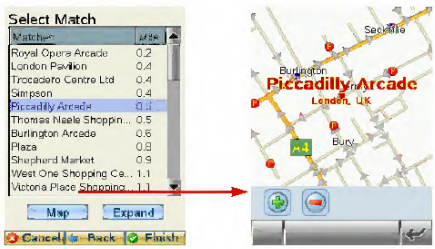


3. When the search process is complete, a scrollable list of matches will appear. In this screen you have several choices, you can:

- Highlight a POI and tap **Map** to preview it on the map (see below)
- Tap **Expand** to expand the area of the search (this can be done twice)
- Highlight a POI and tap **Finish** to enter it as a destination.

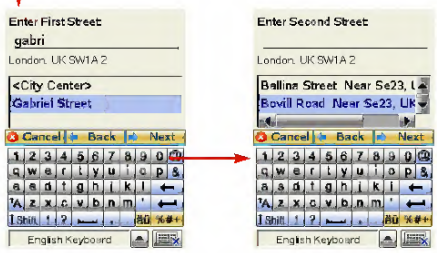
Map Preview of a POI:

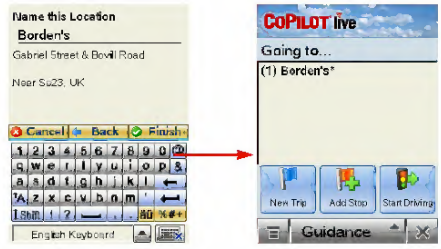
To preview a POI on the map before you decide to enter it as a destination, highlight it on the match list and tap **Map**. In the map screen, buttons let you zoom the view in and out. Click **Back** to return to the match list. In the *Matches* screen, click **Finished** to enter the highlighted POI as a destination and return to the *Going To* screen, or **Expand** to run another search within a larger area.



Intersection

To enter the intersection of two roads, tap the **Intersection** button in the *Select Stop* screen. Intersections are entered just like addresses, except that instead of a house number you enter a "First Street" and "Second Street". You can name this location if you like.





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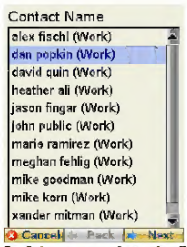
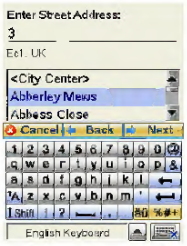
Contact Integration

CoPilot allows you to link directly to your Contacts to retrieve address information. With just a few of quick taps of the stylus, you can enter a contact's home and/or work address as your destination.

1. Tap the **Contact** button in the Select Stop screen.



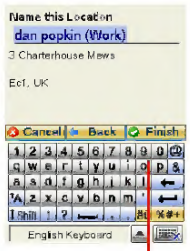
2. Select a name from the Contact lists, and with your selection highlighted, choose an address type (**Home**, **Work**, or **Other**). The address you select will be displayed below. Tap **Next** when ready.



3. If necessary, CoPilot will prompt you to correct any part of the address in your Contact database that does not result in a perfect match — you might be prompted to edit the city, country, street, or house number so CoPilot can find it. Tap Next to continue.

In the example to the left, no match was found for the street name, so the street address is being added manually.

NOTE: If CoPilot finds an exact match, it automatically goes to a screen that lets you name the address you entered (see step 4).



4. Once the address has been matched, you have the option of assigning a name to the address. CoPilot will pre-fill the name from your Contact record, but that name can be edited here.

Tap **Finish** to continue.

5. The Contact address will be added to your trip itinerary as a stop.

Latitude/Longitude

Tap **Latitude/ Longitude** in the *Select Stop* screen to enter a lat/long point.

1. Choose a format from the first drop-down pick list. Lat/longs can be entered in **Decimal Degrees**, **Decimal Minutes**, or degrees/minutes/seconds (**DMS**).

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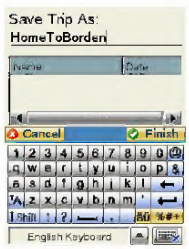
2. Enter a latitude and longitude in the appropriate format, using the drop-down pick lists for **N** or **S**, and **E** or **W**.

3. Once the lat/long has been matched, you have the option of assigning a name to the point. Tap **Next** to add the lat/long you entered as a stop on your trip itinerary.

Saved Trip

1. Tap **Saved Trip** in the *Select Stop* screen to enter a trip that you saved previously on your mobile device or was built on your desktop and transferred to your mobile device.

(See *Trip Transfer*, p. 50 for more about saved trips.)



2. Highlight a trip (.trp file) in the list of saved trips, then tap **Next**. All destinations included in the trip will be entered, preserving the stop order of the original saved trip. The trip itinerary will also be included.

Closing CoPilot

To exit the CoPilot application on your mobile device, select **Menu > Exit CoPilot** at the bottom of the screen. (If the menu isn't visible, tap the top of the screen.)

Driver Safety/Map/Itinerary Screens

NOTE: It is not safe to attempt to alter settings on your mobile device while you are driving. Either have a passenger make changes, or pull over to a safe area.

Driver Safety Screen

The Driver Safety Screen displays a text-only screen and is the recommended view for safe driving. When you're within about 1 kilometer of a turn or driving less than 16 k.p.h., CoPilot automatically switches to the map display.

Map Screen

The Map Screen displays when you are traveling at less than 16 k.p.h. and about 1 kilometer before each turn. It combines a large map display and concise text instructions.

At the top of the screen, next turn directions are shown (a directional arrow and distance to the next turn).

At the bottom of the Map Screen are the estimated time of arrival (ETA) at your next destination and distance to that destination.

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Tap at the top of the Map Screen to invoke a toolbar and menu bar.

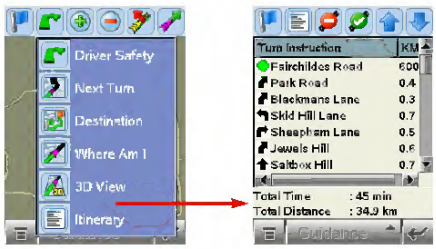
Use the **Detour** buttons when you want to take an alternate route to avoid heavy traffic, construction, etc. up ahead.

Use the **Zoom In** and **Zoom Out** buttons to change your view of the map.

The **Going To** button takes you back to the Going To screen where you can edit your trip (see p. 18).

Itinerary Screen

To see your trip Itinerary, tap the **View** button (second from left on the toolbar) then tap the **Itinerary** button in the nested toolbar.



The Trip Itinerary is a scrollable set of driving directions for the current trip. Roads on your route can be avoided using this screen (see p. 22).

Navigating Through CoPilot Screens

View button

Tap the **View** button (second from left on the toolbar — its appearance will reflect the current view) and choose a view from the drop-down menu.

Driver Safety Screen - Text only, switches to the map below 16 k.p.h.

Next Turn - Map screen, frames your current position to the next turn.

Destination - Map screen, frames the view from your current position to your final destination.

Where Am I - Map screen, frames a close-up view of your current position.

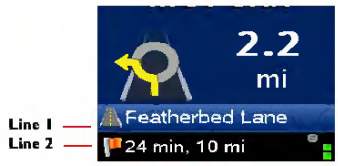
3D View - Map screen in 3D.

Trip Itinerary Screen - Basic text overview of all your upcoming screens.

Customizing the Guidance Screens

The line above the ETA the Driver Safety screen can be customized. (In the Driver Safety screen there are two lines, in the Map Screen there is one.) Tap the top of the screen, then tap **Menu > Options > Guidance**. Use the **Custom Display** pick lists to set this line to show your current road, nearest crossroad, nearest major road, nearest town, ETA, or speed.

Several map features can also be customized. See *Menu Options*, p. 23-26 for all the available options.



Hint: You may also tap on the centre bottom of the screen to change the customisable line 1.

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Map Modes

CoPilot gives you a choice of several different display modes for the Map Screen.

3D Perspective

CoPilot's two-dimensional default display mode can be changed to a three-dimensional perspective based off an isometric camera angle.

To change to 3D, tap the screen to invoke the menu bar, then tap the **View** button and select **3D View**.

Night Mode

Night Mode is available in 2D or 3D (3D perspective is shown to the right) It dims the display and a darker map display is used to reduce glare and eye strain while driving with CoPilot at night. CoPilot automatically switches to Night Mode based on your location and current time.

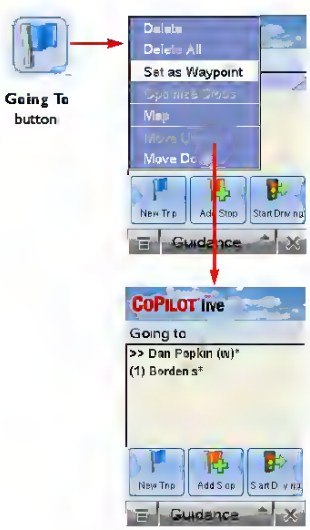
CoPilot's default map mode (shown at right) displays your route in green, outlined in black for optimal visibility.

Trip Editing and Waypoints

To get to the *Going To* screen from the guidance screens at any time, tap the top of the screen to open the toolbar, then tap the **Going To** button. From here you can edit the current trip, add additional stops, or start a new trip.

Tap any stop on your itinerary to activate a pop-up menu that lets you **delete** the stop, zoom to it on the **map**, or **move it up or down** to change the stop order. This menu also lets you designate a stop as a "waypoint" (tap **Set as Waypoint**). Waypoints are not considered as stops in the itinerary, their purpose is to guide CoPilot's route calculations along roads that you choose. To change a waypoint back to a stop, choose **Set as Stop** from the menu. Waypoints appear with ">>" instead of a stop number on the list of destinations.

CoPilot ignores waypoints when calculating the ETA and distance to the next stop, so settings waypoints can be used to get the ETA and distance to a stop that is not your next stop (see *Getting ETA's and Distances* below).



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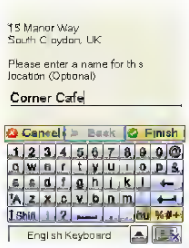
Picking Stops From the Map

CoPilot enables you to pick a stop off the map when you don't know the exact address of your destination. In any mode, tap and hold on your target location on the map, then add it as a stop.

1. In any mode, tap and hold on your target location on the map.



2. Enter a name for the place you picked and tap **Finish**. The new place will be added to your trip itinerary.

Getting ETA's and Distances

The estimated time of arrival (ETA) and distance to your next stop will always be shown in the lower left corner of the Map and Driver Safety screens. After entering a destination, tap **Start Driving** to see the ETA/distance.

If your trip has multiple stops and you want to know the ETA for a destination that is not the next stop, designate the stops between your current location and the target stop as waypoints (tap each one and choose **Set as Waypoint** in the menu that pops up) — see *Trip Editing and Waypoints*, p. 18.

Optimizing Stops

To rearrange the stops on your trip in the most efficient order, tap one of the stops in the *Going To* screen. Select **Optimize Stops** from the menu that pops. You must have at least three stops to optimize — the destination always remains the same.

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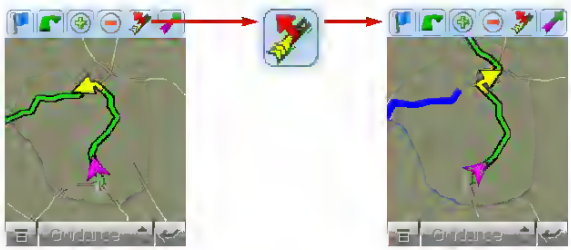
Detour Feature

CoPilot's Detour Feature allows you to preview an alternate route before deciding whether or not to take it. Perfect for situations in which traffic has suddenly slowed ahead of you, the Detour Feature will generate an alternate route. You can then make an informed decision about whether you're better off driving through the delay or taking the new route.

1. To see an alternate route, **tap the top of the screen** to invoke the toolbar.

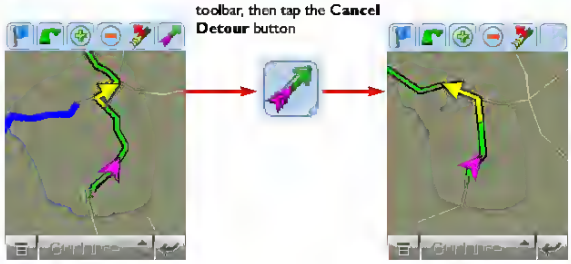
2. Tap on the Detour button to request a new route.



3. If you decide to use the new route, just keep driving.

4. If you decide not to use the new route, tap the top of the screen to open the toolbar, then tap the **Cancel Detour** button.

5. CoPilot will then return you to your original route.

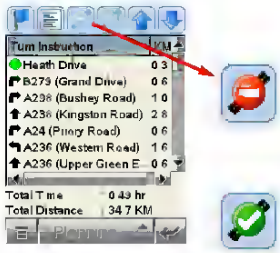


Selective Routing

CoPilot allows you to be selective about the roads you take on your trip. There are two ways to do this: 1) you can customize your Trip Itinerary in Guidance Mode so that CoPilot will avoid certain roads, or 2) you can guide CoPilot's route by entering stops as "waypoints".

Avoiding a Road in the Trip Itinerary

1. Tap the **View** button (second from the left on the guidance screen toolbar) then tap the **Itinerary** option. The Itinerary lists all roads you will be traveling on if you have entered at least one destination.



2. Highlight the road you want to avoid by tapping it once.

3. Tap the **Avoid** button, and CoPilot will calculate a new route that avoids that road. **This can be repeated.** If there is no other possible road or the alternate route is too impractical, a new route won't be generated.

4. To Return to the Original Route: You can return to the original route that CoPilot gave you at any time by tapping the **Cancel** button.

Tailoring Your Route Using Waypoints

CoPilot lets you customize a route by designating some stops as "waypoints". Waypoints appear on the Itinerary but they're not treated like stops in Guidance Mode and or in routing instructions. You can enter a waypoint along a road you want CoPilot to use, and CoPilot will guide you through the waypoint toward your destination.

To designate a place as a waypoint, enter it as a stop in the *Going To* screen. Tap and hold the location on the *Going To* list until a menu pops up, then choose **Set as Waypoint**. Waypoints appear on the *Going To* list preceded by ">>" instead of a stop number. To turn the location into a stop again, repeat and choose **Set as Stop**. You can set as many waypoints as you like on a trip; however, CoPilot will always recognize the last address in the *Going To* list as a stop.

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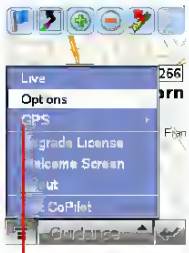
Menu Options



Tap the top of either the Map Screen or the Driver Safety Screen to access the menu bar. Then tap **Menu** and select **Options**.

Routing

In the **Routing** tab, the vehicle type options are **Automobile** or **RV**. RV routes favor major roads and avoid sharp turns and U-turns wherever possible.

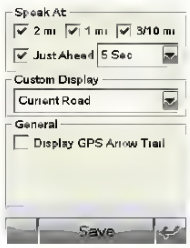
The **Quickest** routing type is based on the most practical route in terms of road quality, terrain, and urban/rural classifications. **Shortest** routing travels the least distance where possible while maintaining some level of practicality.

More routing options are:

Avoid Tolls — Check to avoid tolls wherever possible and practical.

Break every ___ hours for ___ hours — Check to have the ETA for your trip adjusted to reflect stops for breaks.

Display Congestion Zone Warning — *(United Kingdom only)* Check to have CoPilot provide a warning when your trip will pass through a congestion zone (gives you the option to route around it) or when your destination is within a congestion zone (gives you the option to continue after warning).



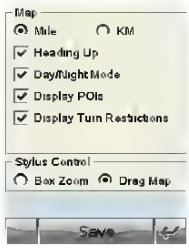
Guidance

In the **Guidance** tab, the settings under **Speak Turn Warning At** determine how often and where CoPilot will give you next turn information out loud. All, none, or some boxes can be checked. A pick list gives the options for **Just Ahead:** by default you will be alerted **5 sec/100 ft** before every turn (5 seconds or 100 feet, whichever is closest), but you can choose to have CoPilot speak to you sooner (2 -8 seconds before each turn, or 100 feet).

The pick lists under **Custom Display** give you display options for the line above the ETA in the Driver Safety screen. This line can display the current road, nearest crossroad, nearest major road, nearest town, ETA, or speed.

NOTE: Defaults are set here, but you can also toggle through the options by tapping the line itself in the Driver Safety Screen.

Tick **Display Route Arrow** to have a yellow turn arrow appear on your route on the map as you approach each turn (this option is turned on by default). Tick **Display GPS Arrow Trail** to keep a trail of arrows that tracks your position as you drive on the map.



Map

Data areas that are currently downloaded to your mobile device are shown at the bottom of this screen.

Options in the **Map** tab are:

Mile — Use miles as the unit of distance.

KM — Use kilometers as the unit of distance.

Heading Up — The map display will always track your position moving upward.

North Up — The map display will always maintain north at the top as you drive.

Box Zoom — This option is selected by default. It enables you to zoom into an area on the map by drawing a box around it with the stylus.

Drag Map — Selecting **Drag Map** lets you use the stylus to drag the map in any direction to a desired location. Place the stylus on the map and move it across the screen.

Use the tick boxes for automatic Night Mode display from early evening to early morning, and to display Points of Interest, and to display turn restrictions.

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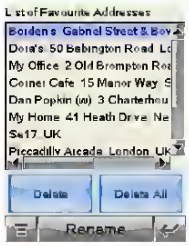
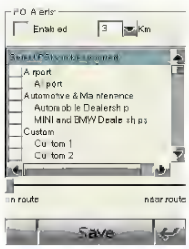


Favourites

Tap the **Favorites** tab to open your **List of Favourite Addresses**.

To change the assignment of your work or home address, highlight your choice on the list, then tap **Menu** and choose **Set as work** or **Set as home**.
NOTE: POIs cannot be edited, you will get a "No matches found" error message if you try.

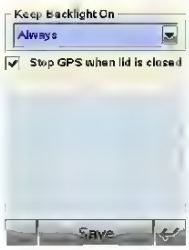
To delete a favourite, highlight it and tap **Delete**, or tap **Delete All** to delete all.
NOTE: When your favourites list is filled (50), each new address will replace the address that has been inactive for the longest period of time.



POI Alerts

Tap **Enabled** to enable POI Alerts. CoPilot will then alert you to the presence of points of interest as you approach them. You can use the drop-down pick list to set how far away you'll be when you receive the alerts. In the list of POI categories, select which types of POIs should be reported.

Move the slider bar at the bottom of the screen to limit alerts to POIs right on your route or to include POIs that are nearby.



Power

Tap the **Power** button to set options for conserving battery life.

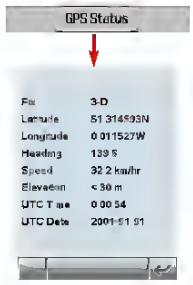
Tap **Stop GPS when lid is closed** to switch off GPS reception when you close the lid. This will save power, but it will also add a slight delay to satellite acquisition the next time you open the lid.

Tap **Keep backlight on** to always maintain a lighted display. Note: This will drain your battery more rapidly.

The GPS Menu

The **GPS** menu is a sub-menu of the main screen **Menu**. Tap **Menu > GPS** to access these features.

GPS Status

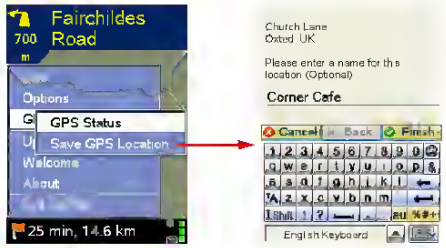


To view your satellite activity at any time, first tap the **GPS Status** option. Here you will receive information on speed, lat/long position, heading, and time and date.

Save Current Location

Select **Save GPS Location** from the **GPS** menu to save your current location as a favourite place (you must be receiving GPS data to do this). A prompt will ask you to assign a location name to your current latitude/longitude position. After you enter a name, your current location will be saved in the Favourites list (see *Favourites*, p. 7).

NOTE: Remember that when your favourites list is filled (50), each new address will replace the address that has been inactive for the longest period of time.



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Modes Menu

CoPilot has four modes of operation on the mobile device. Tap the pop-up **Mode** menu at the bottom of the screen to select **Guidance**, **Navigating**, **Walking**, or **Planning Mode**.

Guidance Mode

In Guidance Mode, you enter one or more destinations, then tap the **Start Driving** button to start driving and receive guidance. This mode provides you with on-screen and spoken driving directions and other information relevant to your trip, such as estimated time of arrival and distance to the next stop.

Navigating Mode

While in Navigating Mode, CoPilot will track your position as you drive. Unlike in Guidance Mode, you won't receive turn instructions or voice prompts.

This tracking feature is an ideal way to see your location on the map if you don't want to be distracted by CoPilot's guidance features.

Walking Mode

Take CoPilot with you wherever you go! Walking Mode provides an as-the-crow-flies distance and direction line to your destination, directions that are perfect for walking.

Planning Mode

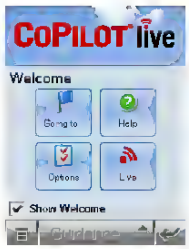
Planning Mode lets you use your mobile device as a pre-trip planning tool or easy-to-use reference guide. Planning Mode lets you view static maps and directions without the need for GPS reception.

Trip itineraries you create in Planning Mode can be saved and then loaded in any mode at a later time (generate directions, then select **Menu > Save Trip As**).

Reference: Guidance Mode Screens & Toolbars on Your Mobile Device

The following is a summary guide to the screens and toolbars you will see on your mobile device as you operate CoPilot in Guidance Mode.

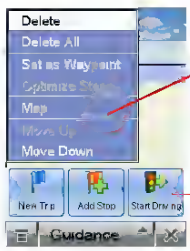
Welcome Screen



The *Welcome* screen appears when you first open CoPilot. If you don't want to see it at startup, uncheck **Show this screen at startup**. This screen can be accessed from the **Menu** at any time. *Welcome* screen options are:

- **Going To** to enter a destination and receive guidance
- **Help** topics about basics such as trip entry, hardware setup, and options
- **Options** to change CoPilot routing, guidance, and map options
- **Live Setup** for Live Communications

Going To Screen



This screen displays a scrollable list of all stops in the current trip, numbered in the order CoPilot will route to them.

Tap the stylus on a stop to open a menu that lets you delete the stop, zoom to it on the map, move it up or down on the list, or make it a waypoint (an unreported stop that guides your route along preferred roads). You can also optimize the stop order for a more efficient route using this menu.

Tap **Add Stop** to enter another stop in the *Going To* screen, **New Trip** to delete all stops and start a new trip, or **Start Driving** to receive guidance.

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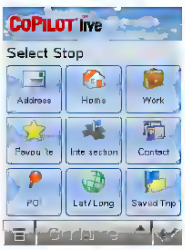
Select Stop Screen



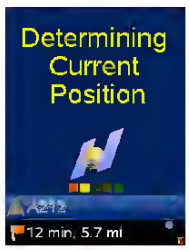
In this screen you add stops to your trip. There are nine different types of stop entry to choose from:

- Enter a new **Address**
- Program or enter a **Home** address
- Program or enter a **Work** address
- Select from your **Favourite** list
- Search for a **Point of Interest (POI)**
- Enter an **Intersection**
- Enter a **Contact**
- Enter a **Latitude/Longitude** point
- Enter a previously **Saved Trip**

No GPS Signal

This screen may momentarily appear when you tap "Start Driving", however if it remains on for an extended period it may indicate that your mobile device is faulty.

Determining Current Position



When you see this screen, CoPilot is in the process of determining where you are.

Heavy foliage, tall buildings, or any other structures obstructing communications may interfere with CoPilot's ability to track your location. Like your car radio, GPS tracking can also be affected by weather conditions if severe. CoPilot will continue tracking as soon as adequate signals are available.

Driver Safety Screen

CoPilot automatically displays the text-only Driver Safety Screen when your speed exceeds 16 k.p.h. and is the recommended view for safe driving. If you are a passenger and want to see the map at this point, tap the top of the screen, tap the **Change View** toolbar button (second from the left) and pick a map view (see *Toolbar Buttons*, p. 33). When you're within about 1 kilometer of a turn, CoPilot automatically switches to the Map Screen.

Next turn instruction.

Next turn arrow and distance to next turn.

Customizable display lines, tap to cycle through your current road, nearest crossroad, nearest major road, nearest town, ETA, or speed.

ETA and *Distance to Next Stop* display.

Messaging, *Live*, and *GPS Status* indicators (Green = 3D fix, Red = 2D fix, Yellow = no fix).

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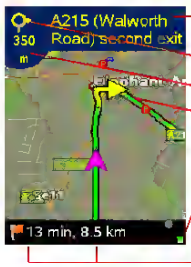
Map Screen

The Map Screen displays when you are traveling at less than 16 k.p.h. or are at a standstill. It combines a large map display and concise text instructions. When you're within 1 kilometer of a turn, CoPilot automatically switches to the map.



To invoke the toolbar and menu bar, tap the top of the screen.

Next turn directional arrow.

Distance to next turn.

Route ahead highlighted in green, *upcoming turn* marked with yellow arrow.

Messaging, *Live*, and *GPS Status* indicators. (GPS reception is good when green, fair when yellow. Red indicates no fix.)

ETA and *Distance to Next Stop* display.

Itinerary Screen

The Itinerary provides turn-by-turn driving directions. In this screen you can highlight a road to avoid and CoPilot will generate a detour around that road (see *Selective Routing*, p. 22).

Toolbar for easy access to guidance screens and trip editing. Can also be used to avoid roads, and scroll up or down in the Itinerary.

Distance between turns

Direction of turns along your route

Names of roads for upcoming turns.

Toolbar Buttons

(Tap at the top of the screen if the toolbar is not visible.)

Going To - Takes you to the *Going To* screen where you can add a stop or start a new trip.

Zoom In - Zooms in for a closer look at the map.

Zoom Out - Zooms out to a more distant view of the map.

Detour - Generates an alternate route from your current position.

Cancel Detour - Returns to the original route after a detour has been created.

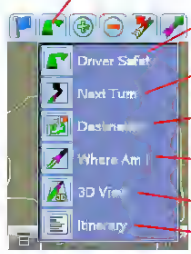
Avoid Road - In the Itinerary screen, causes CoPilot to generate an alternate route that does not include the road that is highlighted in the driving directions.

Cancel Avoid - In the Itinerary screen, this button restores the original route after the Avoid Road button has been used.

Scroll Up - In the Itinerary screen, scrolls the driving directions up.

Scroll Down - In the Itinerary screen, scrolls the driving directions down.

View - Tap the **View** button (second from left on the toolbar — its appearance will reflect the current view) and choose a view from the drop-down menu.



Driver Safety Screen - Text only, switches to the map below 16 k.p.h.

Next Turn - Map screen, view from your current position to the next turn.

Destination - Map screen, view from your current position to your final destination.

Where Am I - Map screen, close-up view of your current position.

3D View - Map screen in 3D.

Trip Itinerary Screen - Basic text overview of all your upcoming screens.

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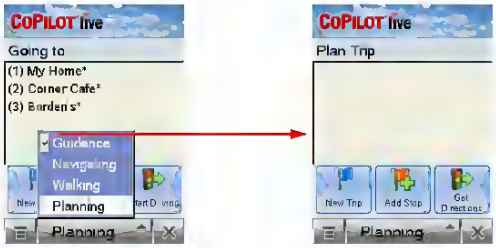
Trip Planning on Your Mobile Device

You can use CoPilot on your mobile device for trip planning. Planning Mode allows you to run a trip on your mobile device even when you're not in your car. You'll get driving directions and maps that you can use for reference before your trip begins.

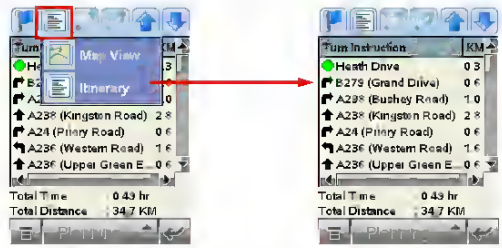


1. First turn on your mobile device and launch CoPilot (tap **Programs > CoPilot**). In the *Going to* Screen, tap the Mode button and select **Planning**.

2. The *Plan Trip* screen will open. Tap **Add Stop**, then add stops to your trip as you would in Guidance Mode. To pick a stop from the map, see p. 19.

3. Note. the first stop (0) on the Plan Trip list is the starting point of your trip. If you have a GPS fix, CoPilot will use that as the starting point.

4. Now you'll see your route on the map. You can tap the zoom buttons on the toolbar to zoom your view in and out.

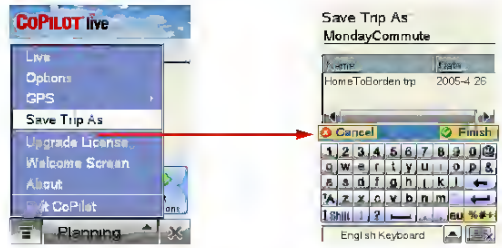


5. To see driving directions, tap the **View** button, then tap the **Itinerary** button in the nested toolbar that pops up.

6. Your trip, along with the trip itinerary, can be saved and then opened later in Guidance Mode (see below).

Saving and Loading Trip Itineraries

To save a trip itinerary you put together in Planning or Guidance Mode, select **Save Trip As** from the pop-up **Menu**. Give the trip a name and tap **Finish**. At a later time you can open the trip in Guidance Mode using the Saved Trip option in the *Select Stop* screen.



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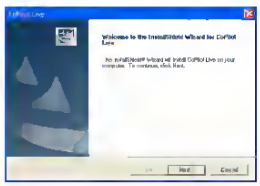
Installing CoPilot to Your Desktop

CoPilot Live comes fully installed and ready to use for route guidance on your mobile device. However, you will want to install CoPilot to your desktop if 1) you'd like to use the extensive trip planning features available with a desktop installation, or 2) you're adding a data region. To learn more about CoPilot's desktop trip planning features, see p. 55-68

To install CoPilot to your desktop, first turn on your computer and set up your mobile device. Follow the steps below to install.



1. Insert the CoPilot **Install Disc** in your CD-ROM drive. Click **Next** in the Welcome screen and follow the Installation Wizard's on-screen instructions.

2. When the installation is complete, a **CoPilot** icon will appear on your desktop or laptop. Double-click it to start the application.

Adding a Data Region

If you have purchased an additional data region after your initial purchase of CoPilot, you will need to modify the original ("Base") installation and activate the new region.
IMPORTANT: You can only use your Expansion Product Key AFTER you have installed CoPilot. If you have not yet installed CoPilot, please do so first and then follow the instructions below.

ON YOUR DESKTOP/LAPTOP:

1. Insert your CoPilot **Install Disc** into your CD-ROM drive.
2. Select **Modify** and click **Next** when the InstallShield Wizard appears.
3. Enter your **Expansion Product Key** when prompted.
4. Follow the on-screen instructions.

ON YOUR MOBILE DEVICE:

1. Open CoPilot on your mobile device.
2. CoPilot may ask you to confirm your destination or to enter a new one. Enter any destination to proceed.
3. Tap **Menu > Upgrade Licence** at the bottom of the screen.
4. Enter your **Expansion Product Key** when prompted.
5. Follow the on-screen instructions.

If you have any questions, please visit **www.alk.eu.com/motorola**.

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Licence Update

The CoPilot desktop software contains street-level maps for all of Europe, and CoPilot is offered with different licences that allow you to use some or all of these maps on your mobile device. Licences are available for the following:

(1) **Single region** - Detailed street-level maps for any of the following regions: Alps Ski Region, Benelux (Belgium, the Netherlands, and Luxembourg), France, Germany, Italy, Pyrenees, Scandinavia, and the United Kingdom.

(2) **Pan-Europe** - Complete street-level maps for all of Europe.

After purchasing the licence, go to **Menu > Update Licence/ Activate**, and input your new activation code. The CoPilot desktop software already contains complete European maps, which can now be downloaded to your mobile device for in-vehicle use. If you purchased CoPilot with a single region licence and later want to use street maps from other regions, you will need to purchase an update licence from your dealer.

Region Selection

If you purchased an additional data region, when downloading map data to your mobile device you will need to make sure the proper region is active. To do this, on your desktop in Planning mode, click the **Map** menu **> Region >** and check the desired region.

Map Download to Your Mobile Device

If you need to change your map data or if you purchase additional map data regions, you will need to transfer the new maps from your desktop or laptop computer to your mobile device. You select the data to download from one or more data areas that you specify in the CoPilot application on your desktop. It's a simple process.

To begin the data download process, open the application on your desktop/laptop, then click the Data Download Wizard icon or pick **Data Download Wizard** from the **File** menu. CoPilot gives you two options for downloading data:

- Download directly to storage card in the storage card slot of your mobile device — follow steps **(1)**, **(2)**, and **(3a)** below
- Download to a storage card in a Storage Card Reader — follow steps **(1)**, **(2)**, and **(3b)** below

(1) Choose a Storage Location:

1. Open the CoPilot application on your desktop/laptop, then click the **Data Download Wizard** icon in the sidebar on the left. Make sure your mobile device is connected. CoPilot will scan your computer to detect which drive options are available.
2. Click on the **Drive Name** pick list that appears and select either the drive letter of your Storage Card Reader (if you are using one) or the drive letter assigned to the storage card in your mobile device. Click **Next**.

NOTE: When you connect your mobile device to your desktop/laptop, Windows will assign two drive letters to it: one for the storage card in your device and one for the main memory of your device. Open My Computer and check the drive letter assignments to confirm which drive letter corresponds to your storage card.

(2) Select a Data Area:

Select a data area using one of four methods (see *Data Selection Options* p. 41-46 for a description of each method).

City Radius to select an area around a town or city;

Map Area to select an area directly from the map;

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Trip to select a corridor along a route between two places.

Region to select a whole country or region.

(3) Download the Data:

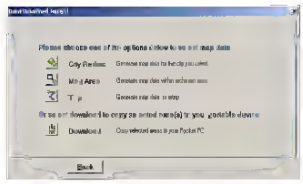
(3a) To a Storage Card in your Mobile Device:

1. Ensure that your mobile device is connected to the desktop/laptop.
2. Clicking the **Download** icon will take you to a screen where *Available Area(s)* for download are displayed on the left. To designate an area to include in the download, highlight it and then click on the right arrow button to move it to the *Data Included in This Download* list on the right. To take an area off the list, highlight it and click the left arrow button.
3. After confirming that the area(s) you would like to download are in the *Data Included in This Download* list, click **Download** to complete the map data download process (see *Download Options*, p. 47).
4. Your data is now ready to be used by CoPilot.

(3b) Using a Storage Card Reader:

1. Make sure the Storage Card for your mobile device is inserted in the Storage Card Reader.
2. Clicking the **Download** icon will take you to a screen where *Available Area(s)* for download are displayed on the left. To designate an area to include in the download, highlight it and then click on the right arrow button to move it to the *Data Included in This Download* list on the right. To take an area off the list, highlight it and click the left arrow button.
3. After confirming that the area(s) you would like to download are in the *Data Included in This Download* list, click **Download** to complete the map data download process (see *Download Options*, p. 47).
4. Remove the Storage Card from the Storage Card Reader and insert it into the mobile device. Your data is now ready to be used by CoPilot.

Data Selection Options

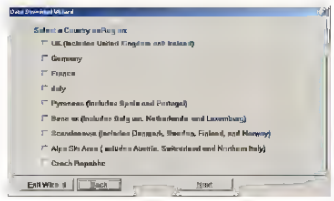


After you specify a location where the data will be stored, you will be prompted to select a region on the map to download. CoPilot gives you a choice of four ways to select a data region, described p. 41-46 below.

Region Download

To download a whole country or CoPilot data region, click the **Region** option in the Data Download Wizard, then select a region in the next screen and click **Next**.

The country or region you select must be included in the region that was installed on your mobile device (if not, a warning will appear and you won't be able to proceed with the download). Region downloads generally take the longest amount of time, depending on the size of the selected region.



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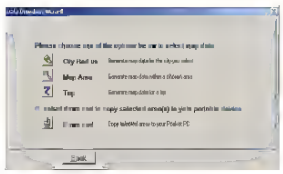
City Radius Data Selection

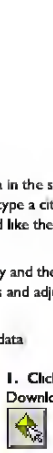
This method allows you to quickly select data in the shape of a circle surrounding any city on the map. In the Data Download Wizard you type a city name and country abbreviation or postal code and enter the distance you would like the radius to extend around the city, then click **Next**.

The Wizard displays a map that shows the city and the radius you chose. At this point you can zoom the map in and out using zoom buttons and adjust the size of the data area by altering the radius of the circle.

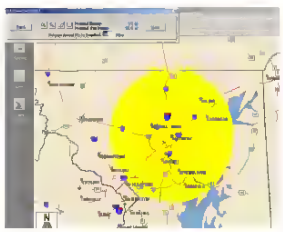
Follow these steps to download City Radius data:



1. Click the **City Radius** icon in the Data Download Wizard



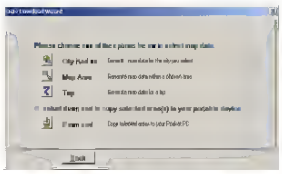
2. Enter a **City, Country or Postal Code**, and a **radius** around the area that you would like to download. Click **Next** to verify that the area is correct.



3. Using the Data Download Wizard toolbar you can zoom in or out, change the radius, or go back to the previous screen. When you are satisfied with your selection, click **Next**.

Note: CoPilot's available memory calculations subtract 15 MB from the available memory on your storage card (if you are using one) to account for support files.

4. Name the selection, then click **Next**.



5. You will return to the *Data Selection* menu where you can select another data area if you like, using any method. When you finish selecting data areas, click the **Download** icon and you will be taken to the final screen where you can build your download.

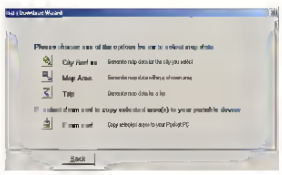
Map Area Data Selection

This method of selecting data allows you to choose an area of data by drawing a box on the Data Download Wizard's map screen.

In the Wizard, you enter a city name near which you would like to select data, then click **Next**. The map will zoom to that location. Then you create a box around the desired area by clicking and dragging your mouse across the map. The street-level data within that box will be selected.

You can zoom the map in and out using the zoom buttons and adjust the size of the data area by redrawing the box.

Follow these steps to download Map Area data.



1. Click the **Map Area** icon in the Data Download Wizard

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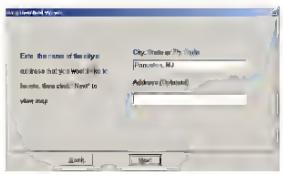
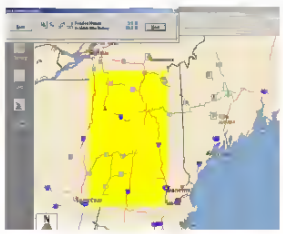
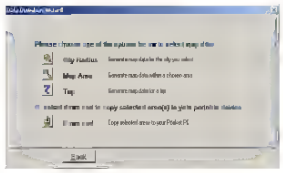


2. Enter a **City, State** or **ZIP code** (address optional) within the area that you would like to download. Click **Next**.



3. Click and hold the left mouse button and **drag the cursor** to draw a box around a desired area. The size of the area will be displayed in the toolbar. Click **Next**.
Note: CoPilot's available memory calculations subtract 15 MB from the available memory on your storage card (if you are using one) to account for support files.

4. Name the selection, then click **Next**.



5. You will return to the *Data Selection* menu where you can select another data area if you like, using any method. When you are finished selecting data areas, click the **Download** icon to go to the final screen where you can build your download.

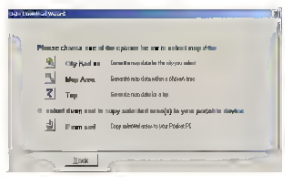
Trip Data Selection

The Trip method of selecting data is by far the most customizable method. This option allows you to run a trip and select street-level data specific to that trip, thereby avoiding unneeded data and saving valuable memory space.

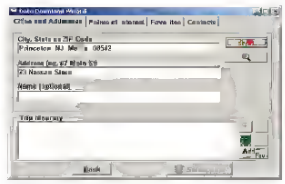
Once the trip is run, the Data Download Wizard automatically selects circles of data around your origin and destination, and a corridor of data along your route. You can then click **Options** to adjust the radius of the circles and the width of the corridor.

The Trip Itinerary for each trip you download will be stored on your mobile device. Multiple trips can be downloaded to the mobile device for later use (see *Trip Transfer*, p. 50).

Follow these steps to download Trip data:



1. Click the **Trip** icon.



2. Enter at least a start and end place for your trip. In the *Cities and Addresses* tab, type a **City State or ZIP Code** and press <Enter>. Optionally, you can enter an address in the same way. Click the **Add Stop** button to add this place to your trip.

You may enter one or multiple destinations. Use the buttons to the right of the *Itinerary* to zoom to a stop on the map, change the order of stops, or delete a stop.

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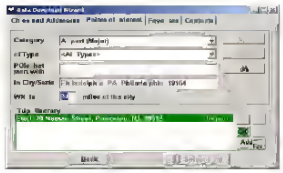
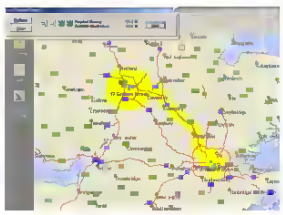


3. To search for a POI, click the *Points of Interest* tab, enter a **City, State** or a ZIP Code and click the **Find** button

You can speed up your search by selecting a POI **Category** and/or **Type**. Highlight a selection, click **Select**, then **Add Stop**.

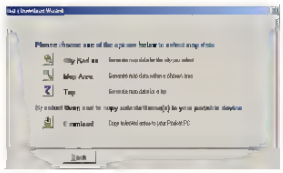
NOTE: For a more detailed description of trip entry, open CoPilot Help from the desktop application (**Help** menu > **Help Contents and Search**)



4. When all your stops have been entered, click **Select Data**.

By default a 33 kilometer radius around all stops and a width of 4 miles along the corridor which connects them will be highlighted. **Note:** CoPilot's available memory calculations subtract 15 MB from the available memory on your storage card (if you are using one) to account for support files.

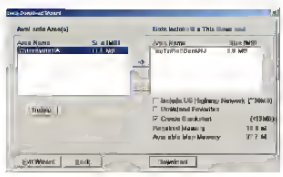
5. To customize these distances for any trip, click **Options** and enter your own distances, then click **OK**.



6. You will return to the *Data Selection* menu where you can select another data area if you like, using any method. When you are finished selecting data areas, click **Download**. Trip itineraries that were created using the *Trip* download method will be transferred along with map data (see p. 50 for details).

Download Options

When you're ready to execute a download, the Wizard will display a list of **Available Area(s)** for download on the left side of the window. To designate an area to include, click on it and then click on the right arrow button to move it to the **Data Included in This Download** list. If you need to move an area off the *Included* list, click on it and use the left arrow button.



To delete an area from memory, click on it and click **Delete**.

Notice that the amount of available map memory and the memory required for all the areas on the Included list is shown beneath the list. **NOTE:** CoPilot's available memory calculations subtract 15 MB from the your storage card (if you are using one) to account for support files.

IMPORTANT: Each data download overwrites the data that is already on your mobile device. If any data areas are already loaded on your mobile device, they will be overwritten by the new download. Therefore, your download must include all areas that you wish to have available on your mobile device.

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Check **Include EU Highway Network** to download CoPilot's complete European Highway Network along with your data. This additional download requires approximately 59 MB of space on your mobile device. When this network is loaded, major roads, cities, and some points of interest outside your selected data region will be shown on the map and you'll be able to receive guidance as you drive anywhere in the European Union.

Check **Download Favourites** to download your Favourites list from the Trip Planner window on your desktop along with map data. These addresses will then be available as Favourites for trip entry on the mobile device.

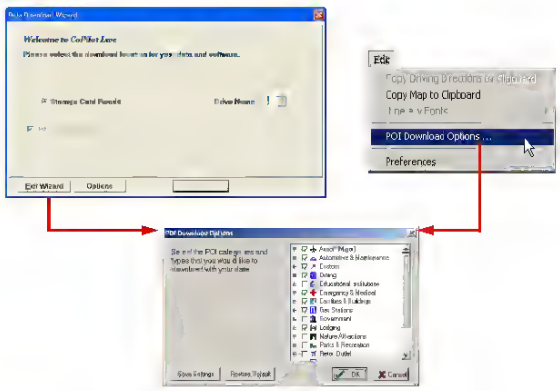
POI Download Options

When you download a data region, you'll get all roads within that region. Also included are regional points of interest (POI) such as gas stations, hotels, restaurants, visitor attractions, etc.

CoPilot now lets you control the number and types of POI that get downloaded along with map data. You can save space on your mobile device by eliminating categories of POI that you're not interested in seeing.

To select which POI categories you want, choose **POI Download Options** from the **Edit menu** in the desktop application or, when you first open the Data Download Wizard, click the **Options** button in the Wizard. Check the categories you wish to select (click the plus sign next to each category to see the included sub-categories).

Click **Save Settings** to save the set of categories you create. Click **Restore Default** to return to CoPilot's default categories.



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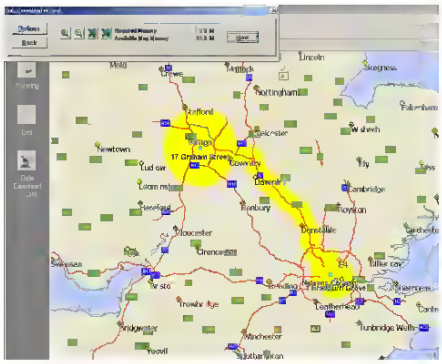
Trip Transfer

When you use the **Trip** download option, CoPilot transfers whole trips to your mobile device. The trip you create, including its itinerary, is transferred along with the surrounding data corridor, and it becomes the current trip.

The **Trip** download option creates a .TRP file that is placed in the *Save* directory in the CoPilot installation folder on your mobile device. Subsequent downloads will add more .TRP files to this folder. The number of trips that may be stored is limited only by the available memory on your mobile device.

If multiple trips are downloaded, the last one to be added will open as the current trip. Use the **Saved Trip** stop entry option on your mobile device to open stored .TRP files.



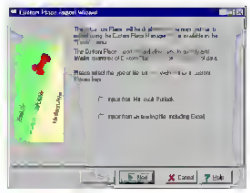
Importing Custom Places

CoPilot's Custom Place Import Wizard enables you to import addresses from your Outlook Contacts database, an Excel file, or text file. (If you are using another type of database or contact manager, you can export your contacts/locations to an Excel or text file before importing them into CoPilot.) These points are then added to CoPilot's POI database in a category and type of your choice (the default category is "Custom"). Once they are in the database, they are displayed on maps as pushpins and included in search results when you search for points of interest on your mobile device or in the Trip Planner window on your desktop/laptop.

NOTE: CoPilot now allows importing of multiple POIs with the same name (e.g. an entire database of "Starbucks").

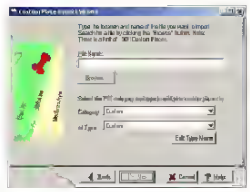
To access the Wizard, choose **Import Custom Places** from the **Tools** menu in Planning Mode on the desktop, then follow the step-by-step instructions given by the Wizard.

Steps for Importing:



1. In Planning Mode on your desktop/ laptop, choose **Import Custom Places** from the **Tools** menu to open the Import Custom Places Wizard.

2. Choose **Import from Microsoft Outlook** or **Import from an existing file** (this can be a .txt text file or an Excel file). Click **Next**.



3. In the next Wizard screen, type the path to the file you want to import or **Browse** for it, and use the **Category** pick list to indicate a POI category for your imported places (by default they are assigned to "Custom"). You can also choose a **Type** from the pick list. To edit the type name, highlight it on the pick list and click **Edit Type Name** below. Click **Next** when ready.

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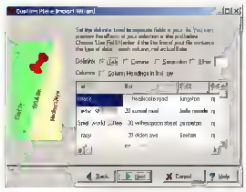
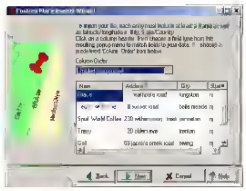
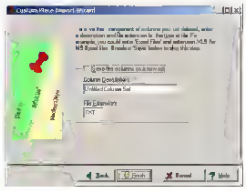


4. In the next screen you'll see the data from your file sorted into columns. If the columns you see in the screen have not sorted the address data correctly, you need to indicate which delimiter CoPilot should recognize when it separates the fields in your file into columns. Each field — e.g. name, street address, city, state, etc. — needs to be separated by a delimiter such as a tab, semicolon, or comma. If your file uses a delimiter other than a comma, tab, or semicolon, click **Other** and type the delimiter in the box to the right. If the first row of your file consists of column headings, you should check **Column headings in first row**. Click **Next** when ready.

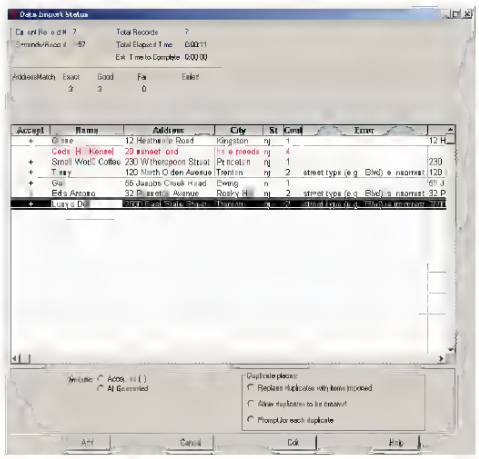


5. Now, following the instructions on the screen, click each column heading and match the column headings with your data. To be accepted by CoPilot, each imported place must have at least four fields: **Name**, **Address1**, **City**, and **State**. Click **Next** when ready.



6. In the next screen, following the instructions, you can assign a name to the set of columns you just defined to save you time the next time you import addresses.

To skip this step, uncheck **Save the columns as a new set**. Click **Finish**.



7. When processing is finished, the Data Import Status window shows you how many places in your file were matched with addresses in the CoPilot database. A plus sign in the **Accept** column indicates a match. Places that failed to match appear in red and do not have a plus sign.

8. To edit a failed or incomplete match, highlight it and click Edit (see *Editing Custom Places*, next page). POI addresses can also be edited after they are added to the database using the Custom Place Manager.

9. When you are satisfied with the list of addresses, click **Add** to add these places to the CoPilot database.

Options below the list let you 1) choose whether to add all addresses on the list to the database, or just those that were accepted, and 2) determine how CoPilot will handle any address that duplicates one already in the database.

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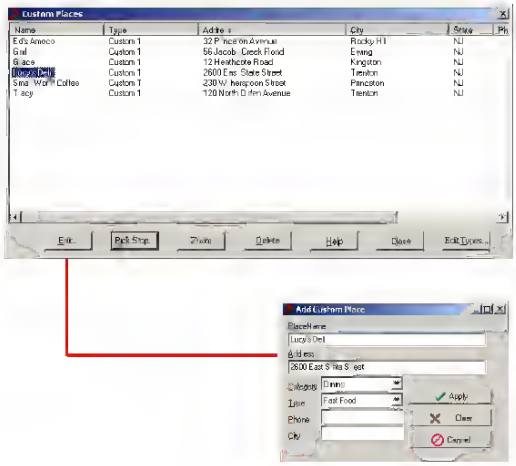
Editing Custom Places in the Database

After custom places have been added to the database, they can be edited at any time. Select **Manage Custom Places** from the **Tools** menu, then highlight the custom place you wish to edit, click **Edit**, and make your changes. Click **Apply** when finished.

NOTE: By default, addresses entered as Custom Places are assigned to the Custom POI category. You can change this assignment at any time by selecting another **Category** from the drop-down pick list as you edit.



Trip Planning on Your Desktop

You can use CoPilot's desktop functions to map out routes and print maps and driving directions before getting on the road. Desktop trip planning is an additional feature of CoPilot that is in no way connected to using your mobile device for route guidance.

On the following pages you will find brief descriptions of CoPilot's desktop trip planning capabilities. For more detailed descriptions, open CoPilot Help from the desktop application (**Help** menu > **Help Contents and Search**, or click the **Help** button on the toolbar). Go to **Desktop Trip Planning** in the **Contents** tab.

To begin planning a trip on your desktop, click the **Planning** icon in the sidebar to the left of the map. Using the drop-down menus you can select from a number of planning features. Many of these features can also be accessed from the toolbar. Place your cursor on any toolbar button without clicking to see what it does.

New Trip

New Trip button or ***New Trip*** in the **File** menu

Opens the *Trip Planner* window where you can create a new trip, arrange the order of stops on your route, add or edit **Favourites** (these can be downloaded to your mobile device along with map data), search for **Points of Interest**, or use your **Contacts** database to add stops to your trip. Click **Run** to receive driving directions and a map.

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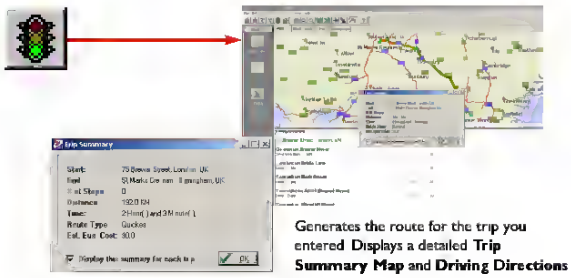
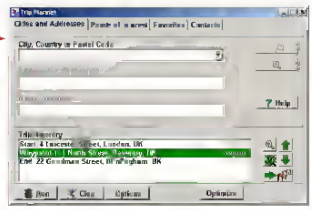
Run Trip



Generates the route for the trip you entered. Displays a detailed **Trip Summary Map** and **Driving Directions**.

Edit Trip

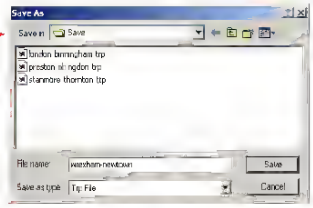
Edit Trip button or ***Edit Trip*** in the **Trip** menu



Takes you back to the *Trip Planner* window where you can edit stops on your existing trip or click **Clear** to delete all stops and begin a new trip.

Save Trip

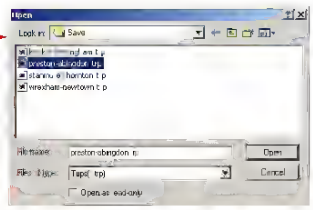
Save Trip button or ***Save Trip.../ Save Trip As...*** in the **File** menu



Opens a standard Windows dialog where you can name your trip and save it to your hard drive either before or after running it in the *Trip Planner*.

Open Trip

Open Trip button or ***Open Trip...*** in the **File** menu



Opens a standard Windows dialog where you can select a saved trip to open in the *Trip Planner* window.

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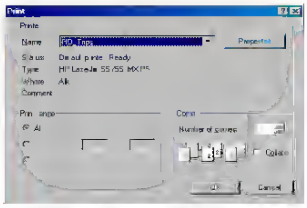
Print

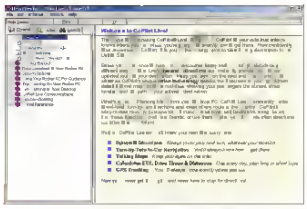
Print button or ***Print...*** in the **File** menu



Takes you to the standard Windows **Print** options for printing the active window that contains your map or driving directions. Activate the map or directions by clicking on it or selecting it in the **Window** menu. Select ***Print TrawPak...*** from the **File** menu to print driving directions, an overview map, and a zoomed map of each stop

Help

Help button or ***Help Contents and Search*** in the **Help** menu

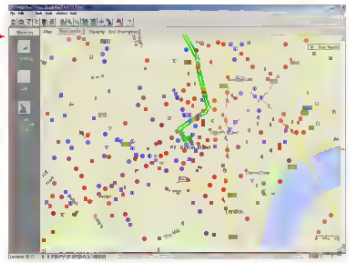


Opens the CoPilot Help window with the **Contents** tab open on the left. From here you can search for help by topic, use the **Index**, or **Search** for a word or phrase

Zoom In

Zoom In button or ***Zoom In*** in the **Map** menu

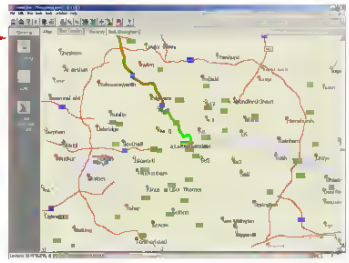
Each time you click this button, your view will be zoomed in by one increment. The zoom level is shown in the title bar of the map window



Zoom Out

Zoom Out button or ***Zoom Out*** in the **Map** menu

Each time you click this button, your view will be zoomed out by one increment. The zoom level is shown in the title bar of the map window



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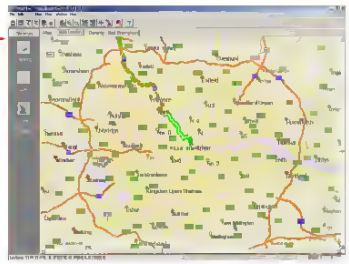
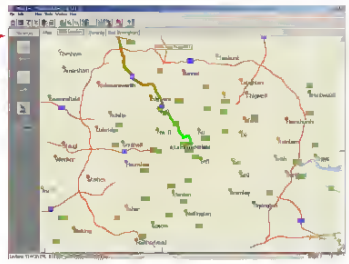
More Detail



More Detail button or ***Detail > Show More*** in the **Map** menu

Click once to increase the level of detail you see on the map by one increment without changing the zoom level

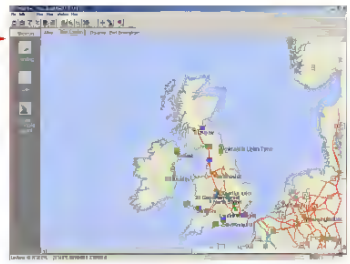
Less Detail



Less Detail button or ***Detail > Show Less*** in the **Map** menu

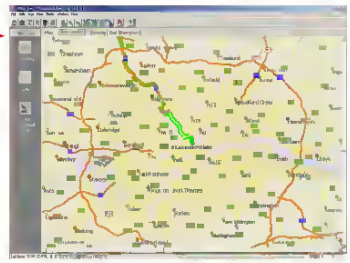
Click once to decrease the level of detail you see on the map by one increment without changing the zoom level

Zoom To Region



Zoom to Region button or ***Zoom Region*** in the **Map** menu This function allows you to zoom your map view to a specific area. Choices in the sub-menu will depend on which CoPilot data region(s) were purchased

Refresh Map



Refresh Map button or ***Refresh Map*** in the **Map** menu. When scrolling through a map you may notice it takes a few seconds for all the data to catch up. This function will snap the entire screen to a new map.

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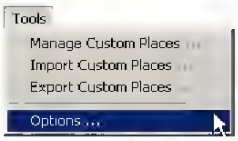
Pick Stops

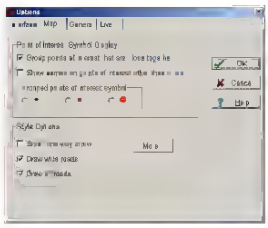
To turn on *Pick Stop* mode, click the **Pick Stops** button or right-click on the map and select ***Pick Stops*** Then click on any point on the map to enter it as a stop The map view must be zoomed in to level 11 or 12 At lower zoom levels, keep clicking on the map until level 11 is reached (level is displayed in the CoPilot window title bar)

In the dialog that opens, you can choose to enter the point as a start place, a waypoint, or a destination

Options (Tools Menu)

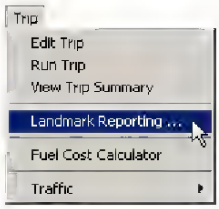


Select ***Options*** from the drop-down **Tools** menu

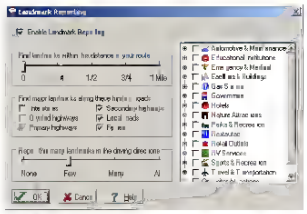


In this window you can change the way you view your desktop maps and various application settings For example, in the **General** tab you can choose the measure of distance (miles vs kilometers), and the **Map** tab lets you adjust the appearance of features on the map such as roads and points of interest.

Landmark Reporting

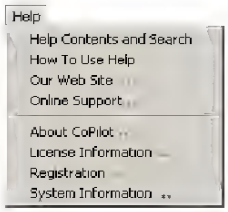


Select ***Landmark Reporting*** from the drop-down **Trip** menu



In this window you can control how many Landmarks CoPilot points out when generating driving directions

Help Menu



Use the drop-down **Help** menu to access CoPilot Help for assistance with all aspects of the software and to quickly access ALK's web site

(For North America only) In this menu you will also find helpful travel links and a link to the ALK data corrections e-mail address With street-level data changing every day, you may discover some errors. Please drop us an e-mail With your help we will be able to improve our map data with every update

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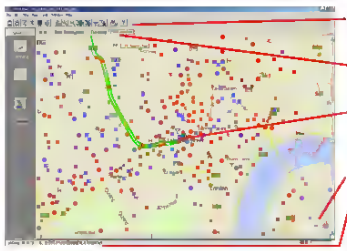
Reference: CoPilot on Your Desktop

The following is a guide to the main screens you will see as you use CoPilot on your desktop/ laptop computer for trip planning.

Map Window



Menus and toolbar buttons to access all of CoPilot's desktop features

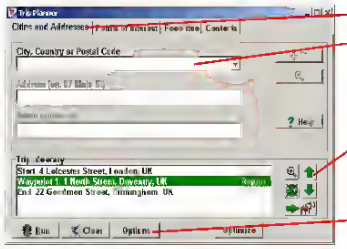
Click on a tab to frame any stop on your route.

Map of area around your destination **Zoom in and move your cursor over a street to view its name.**

Distance Scale

Latitude/longitude position of your cursor on the map

Trip Planner Window (Cities & Addresses)



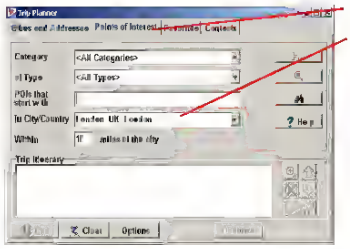
Click **Cities and Addresses**

Enter city name/country, or postal code. Enter an address (optional), with the option to add a **Name** to it. Click the **Add Stop** button to add the stop to the Itinerary

Move stops up or down on your *Itinerary*, zoom to stop location on the map, delete a stop, or add a favourite

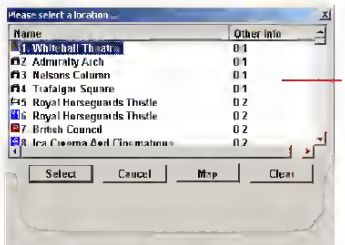
See p 67 for routing options

Trip Planner Window (Points of Interest)



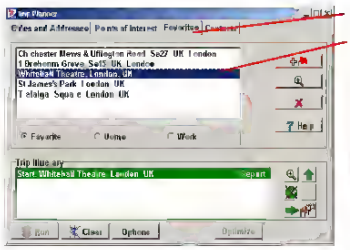
Click **Points of Interest** tab

Enter a city or postal code in which you would like to search, a radius within which to search, choose a **category** and **type** from the drop-down menu, and **click the binoculars to search**. You can also enter a name to narrow down the search in the **POIs that start with** box



You will be given a list of matches to your search criteria. Highlight your selection and click **Select**. Click the **Add Stop** button to add it to your Itinerary

Trip Planner Window (Favourites)



Select **Favourites** tab

Highlight a selection from your list of places by clicking on it. You can zoom to it on the map, or *Delete* it from the list using the buttons to the right. Click the **Add Stop** button to add a favourite to your Itinerary

See p 67 for routing options

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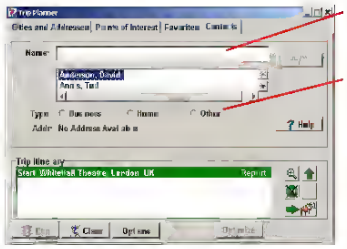
Trip Planner Window (Contacts)



Enter a person's first or last name and hit <Enter> CoPilot will search your Contacts database for matches

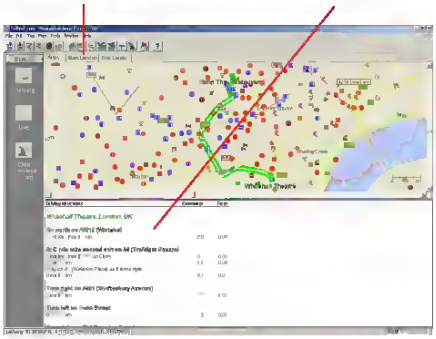
Select the Contacts address type (as defined in Outlook) to get the appropriate address, then click the **Add Stop** button to add it to your Itinerary

Driving Directions and Map (Split Screen)

When you click **Run** in the Trip Planner window, your route will be calculated and driving directions and a map will display To print either one, click on it and choose **Print** from the **File** menu To print directions plus all map views, choose **TrawPak Printing**

Atlas, Start, and **End** tabs will zoom to the map view of those places respectively

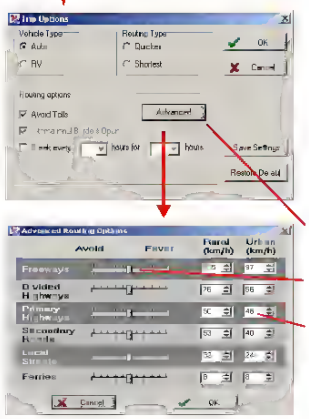
Driving directions give you turn-by-turn instructions including ramps and exits, and distance and time between turns



Routing Options

Click the **Options** button in the Trip Planner window to access CoPilot routing options

Auto and **Quickest** is the default setting, and provides the quickest routing for automobiles based on practical considerations such as road quality, terrain, and urban/ rural classifications **RV** routing favors major roads and avoids sharp turns and U-turns where possible



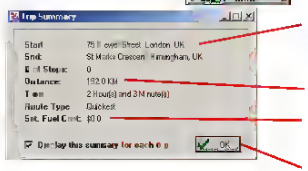
Click **Advanced** to set general road preferences

Drag the sliding bars to the left or right to avoid or favor each road type

Set the road speeds CoPilot uses in its route calculations for each type of road by either typing or clicking the up and down arrows under **Rural** and **Urban** for each road type

Trip Summary

Select Run in the *Trip Planner* window to run the trip.



The *Trip Summary* will show start and end places, and the number of stops in between them

Total distance and time for trip.

Estimated fuel cost for your trip based on entries in the *Fuel Cost Calculator* (**Trip** menu)

Click **OK** to view map and driving directions

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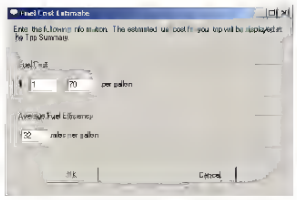
Fuel Cost Calculator



To calculate an estimate of your fuel costs for a trip, select **Fuel Cost Calculator** from the **Trip** menu before you run your route. Fill in the average cost per gallon of fuel that you expect to pay, and the distance per gallon you can expect to get in your vehicle. Click **OK** then run your trip. A fuel cost estimate based on what you entered will be calculated and shown in the Trip Summary that CoPilot creates for every trip you run.

CoPilot Live Communications

CoPilot Live allows you to maintain two-way communication with drivers who are using CoPilot and to actually see where they are currently located. You can do this using a computer with CoPilot installed or from our CoPilot Live web page.

Using this CoPilot Live functionality requires the following:

1) **If you want to track and message other drivers:** An Internet connection on the computer you have CoPilot installed on, or access to our CoPilot Live web page through a normal web browser.
2) **If you want others to track and send messages to you:** CoPilot Live must be running on your mobile device in your vehicle. You must have a wireless Internet connection.

CoPilot Live Web Page

As a CoPilot user, you can create an account on our website that allows you to join the CoPilot Live Network. Then your family, friends, and coworkers can "see" you and communicate with you anywhere in the world! Through the website you can do all of the following:

1) Send text messages to CoPilot users using large, customizable, one-touch response buttons to ensure driver safety.
2) Real-time tracking of other people who are on the road. See their current location, destination, ETA and much more.
3) Send itinerary updates including new stops and revised destinations — you can coordinate changes in plans with someone who's on the road right now without forcing them to pull over and enter new information.
4) Create an online account from where you can send temporary or permanent tracking numbers to friends and family. You can also create and join groups with other CoPilot users and manage all your account preferences.

Since you're the one who owns CoPilot, it's likely that your friends and family will be the ones logging onto the CoPilot Live web site to communicate with you. However, setting up your own account allows you to distribute tracking numbers and have tighter control of the security so you know who has access to you while you're on the road.

For more information and complete details, visit the CoPilot Live Tracking Website at: **http://live.alk.eu.com**.

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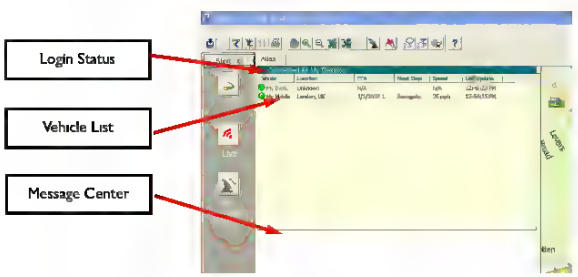
On the following pages you'll see how you can communicate with someone on the road from within CoPilot (the *Live Mode* sections) and what it's like to be the driver using CoPilot when someone else is communicating with you (the *Driving with Live* sections). To set up your mobile device for tracking/messaging from within CoPilot or on the web, see *Driving with Live - Mobile Device Setup*, p 77-78

Live Mode - Overview

Although the CoPilot Live web page is the best way to communicate with people who are on the road, you can also use Live Mode from within CoPilot on your desktop as shown in the following *Live Mode* sections

In Planning Mode click on the **Live** icon on the sidebar to the left of the map. The upper portion of the new pane that opens is the **Vehicle List**. Your connection to the CoPilot Live network is displayed above the Vehicle List. Remember that you must have an Internet connection to get onto the CoPilot Live network.

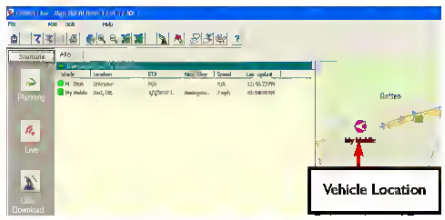
The Screen Name of the driver is displayed on the Vehicle List, with columns for the vehicle's next stop, ETA, speed, location, and time of last update. To see all columns, expand the pane (place the cursor on the right edge until it becomes an arrow and drag).



Below the Vehicle List is the **Message Center**. The text of sent and received messages will appear here.

NOTE: All of CoPilot Live's communications are done in real-time. This means information is only transferred when you and the person in his vehicle are using CoPilot Live at the same time. In this sense CoPilot Live communication is similar to using a telephone — communication only occurs when both parties are on at the same time. ALK does not actively log driver's location information, nor do we use this information for any purpose other than to transfer it between authorized users.

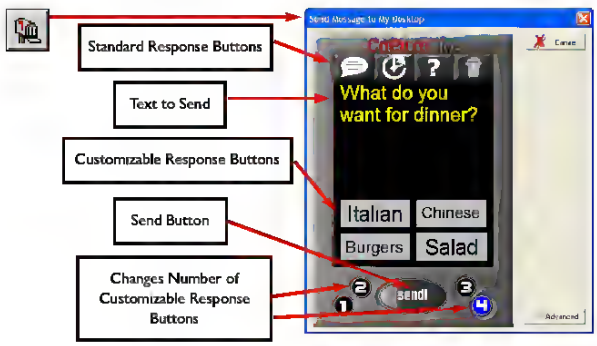
Live Mode - Automatic Vehicle Location (AVL)



In Live Mode on your desktop you can track the location of the driver. Double-clicking the vehicle in the Vehicle List will center the map on the driver's last reported location. The vehicle location updates at an interval specified by the driver on his mobile device (see *Driving with Live — Mobile Device Setup*, p 75) as long as both you and the driver are running CoPilot Live.

Live Mode - Send/Receive Messages

To send a message to the driver, click the **Send Message** button on the toolbar or right click on the vehicle and select **Send Message** from the pop-up window.



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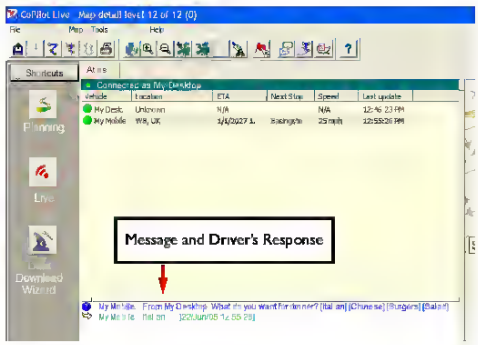
Click your cursor in the space just below the **Standard Response Buttons**, and begin typing. The Standard Response Buttons are included in every message and are described in detail in *Driving with Live - Receive/Respond To Messages* (p. 77).

You have complete control over the **Customizable Response Buttons**:

1) Choose to display **1-4** buttons by clicking the corresponding number at the bottom of the screen.
2) Change the text of each button — the driver will see whatever text you enter and when the driver responds, the text of the button will be sent back to you.

Once you have typed your message and specified your Customizable Response Buttons, click the **Send** button to send your message to the driver. When the driver responds to your message, the response is displayed in the Message Center.



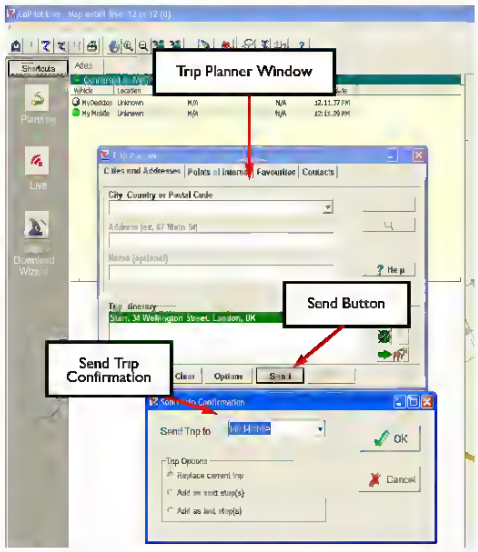
Advanced:

Clicking on the **Advanced** tab of the Send Message window will expand the view. From the Advanced view you can save frequently used message text and button layouts that you can recall for future messages.

Live Mode - Send Trip Itinerary Updates

To send a Trip Itinerary Update to the driver, click the **New Trip** button on the toolbar and create a trip itinerary in the Trip Planner window just as you would in Planning Mode (see p. 55).

Then click the **Send** button.



In the **Send Trip Confirmation** window you can specify whether you want the new trip itinerary to replace the driver's existing trip, add as the next stop(s) in the driver's current itinerary, or add as the last stop(s) in the driver's current itinerary. Click **OK** to send the trip itinerary.

NOTE: CoPilot Live always uses the driver's current location as the start point for giving route guidance.

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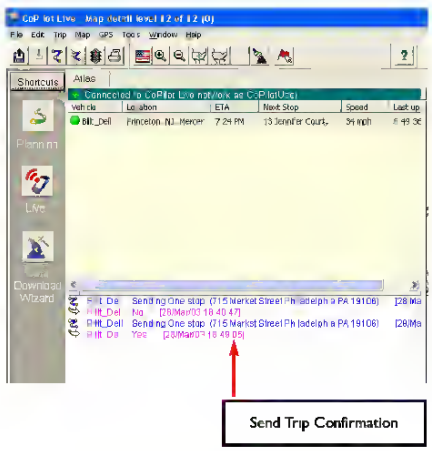
When the driver responds to your trip itinerary update, the response is displayed in the Message Center.



Driving with Live - Mobile Device Setup

If you would like access to CoPilot's Live Network on the Web so that your friends, family, and co-workers can message and track you from anywhere in the world, you'll need to set up your mobile device for web tracking. Once you do this setup, you'll gain the security features and functionality provided with the CoPilot Live Network.

The setup for the web is simple. You (the driver) must first create a login account using the CoPilot Live Web login page. Once you have created a User Name and Password on the web, you then enter the same user name and password — once only — within the CoPilot application on your mobile device to complete the setup.

To set up your mobile device for tracking and messaging, you (the driver) must first enable this functionality using the main screen **Menu**.

Follow the steps on the next page to quickly get set up for Live Networking.

To set up access to CoPilot's Live Network on the Web

1. Go to the CoPilot Live Web login page at **http://live.alk.com**. Click **Create a new account**, and enter all the required information including a **User Name** and **Password.**

2. Open CoPilot on your mobile device. Tap the **Menu > Live** to access Live options and settings.

3. Tap the **Login** button to enter a **Screen Name** that will identify you to the person on the other end for messaging and tracking. (See **NOTE** on next page to change your screen name, user name, and/or password.)

4. Enter the *same* User Name and Password you used to create your account on the web (Step 1) and click **Apply**.

5. Tap the **Settings** button in the Live screen to adjust how long messages are displayed. In this screen you can also indicate how often your current position should be sent to the Live Network. Depending on the plan offered by your wireless data service provider, sending data at infrequent intervals will be more cost-effective.

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6. Tap the **Connection** button in the Live screen to select which mobile operator's network you will be using. You can also select when CoPilot should connect to the Live network and/or press the **Connect** button to connect immediately.

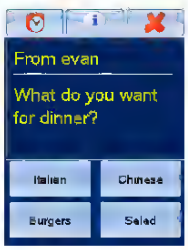
7. Once you've connected to the Live network, you'll be able to send invitations to friends, family, and colleagues — tap the **Invitations** button in the Live screen. From here you can create new invitations or manage existing invitations.

8. When you send an invitation, enter the recipient's e-mail address and any comments. The recipient will receive an e-mail with a web link that will point to the CoPilot web site and automatically log them in so they can view your position and send messages.

You are now set up for messaging and tracking on the web.

NOTE: Your screen name, user name, and/or password can be changed as many times as you like. However, you'll need to change your user name or password on the Live Web page before changing them in CoPilot. This is *not* required for your screen name.

Driving with Live - Receive/Respond To Messages



When you are the driver and a message is sent to you, CoPilot displays it on top of all other windows.

If you tap the **Defer** button (see below) or do not respond within the time limit you set up, the message will be put in a queue and the **Information** button in the lower right corner of the CoPilot guidance screen will turn from gray to red. You'll need to tap the **Information** button to read the message. If other messages have been queued behind it, the messages will appear in the order they were sent.

On the top are the three **Standard Response Buttons** which appear on every message (shown below). You can also tap one of the **Customizable Response Buttons** at the bottom of the screen that the message sender has included. The text on the button is sent back.

Defer Message: Defers the message, which will reappear later. Useful when you need to concentrate on the turn instructions and the road.

More Information: Sends a response back that you need more information.

Delete Message: Deletes the message-notice of the delete is sent back.

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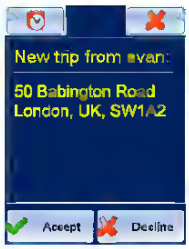
Driving with Live - Receive Trip Itinerary Updates



When you are the driver and a Trip Itinerary Update is sent to you, CoPilot Live displays it on top of all other windows

You can **Accept** or **Decline** the change to your trip itinerary. If you accept the change, CoPilot Live will automatically start giving route guidance using the new itinerary

About GPS Technology

The Global Positioning System (GPS), developed by the U.S. Department of Defense, is a constellation of 24 satellites that orbit the Earth twice daily. Each satellite contains an atomic clock that is accurate to the nanosecond, and constantly emitting radio waves toward Earth.

GPS sensors (hardware devices for receiving data) can receive these signals from the satellites, and using their own internal clock can calculate the amount of time it has taken for the signal to be received. GPS relies on the fact that radio waves travel at the speed of light to calculate distances, and the exact location of the sensor is figured by combining the data received from four satellites.

Using the data from these four satellites, GPS is able to give you the latitude, longitude and elevation of your present location, and also your road speed and direction of travel on a route. Given the right conditions, a GPS sensor can identify your geographic position anywhere in the world within a matter of a few meters.

How CoPilot Uses GPS

CoPilot uses the GPS positional data that it receives from the hardware unit you place on your dashboard to display your current position on a map as you drive. This is called "tracking". CoPilot also uses the GPS data it receives to guide you along your planned route if you enter a destination on your mobile device. CoPilot guides you with audible prompts as you drive as well as on-screen directions.

Tracking will begin automatically when you have satellite reception. In order to get route guidance, you have to enter a destination on your mobile device. Tracking may also be used without receiving guidance instructions when you're in Navigating Mode. In this case, you'll see your trip tracked on the map on your mobile device as you drive, but you won't see a highlighted route on the map and you won't be given driving directions.

GPS Accuracy

The GPS signal CoPilot receives from the constellation of satellites has a rated accuracy of within 5 - 10 meters. This means that 95% of the time the reported location is within 15 - 30 feet of your exact position. CoPilot takes this location information and enhances it further by "snapping" it to our street and highway network. Occasionally, CoPilot will place you on the wrong road. If this occurs, keep driving and CoPilot will automatically correct itself and find your proper position.

At times, CoPilot's GPS tracking will be less accurate or fail to work at all because the unit is unable to receive satellite signals. Heavy foliage, tall buildings, or any other structures obstructing communications will interfere with CoPilot's ability to track your location. Like your car radio, GPS tracking can also be affected by weather conditions if severe. CoPilot will continue tracking as soon as adequate signals are available. Despite these limitations, you can expect CoPilot to provide you with useable and accurate information most of the time. CoPilot will alert you if accurate information is unavailable.

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Registered users are entitled to technical support, discounts on new versions of CoPilot, new product information, and software enhancements.
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